

an outstanding reputation for collar rot resistance. Its production record is good. Fruit on M2, being more compact than that on dwarf rootstocks, keeps well over the winter.

The following were developed by Richard Wellington. Donated by Dan Thompson, Agriculture Canada, Center for Plant Health, 8801 East Saanich Road, Sidney, British Columbia V8L 1H3, Canada. Received 08/24/1984.

PI 588878. *Malus domestica* Borkh.

Lodi. Collected in United States. Pedigree - Montgomery x White Transparent Raised 1911; intro: 1924 Requires cross pollination. Additional LIT.CIT. 1992-93 H. Apple. Tsolum River Fruit Trees Catalogue. p. 23. Comments:: Size large to medium; shape intermediate conic, convex; skin pale yellow sometimes flushed deeper yellow; flesh coarse white; flavor acid. Fine white applesauce, great for early pies. Season early-ripens during July. Tree: large, dependable, productive; tends to bear in alternate years, can be made annually productive through proper use of blossom thinning sprays. Needs thinning. Resistant to Apple Scab. Additional LIT.CIT.: Way, R.D. 1971. Apple Cultivars, NYSAES Search V1 1, No. 2. p. 30; Bultitude J. 1983. Apples p. 227.

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PI 588879. *Malus domestica* Borkh.

M.25. Collected in England, United Kingdom.

PI 588880. *Malus domestica* Borkh.

Granny Smith. Collected in Unknown. Chance seed thrown out by Mrs. Thomas Smith, Eastwood, Ryde, Paramotta River, New South Wales, Australia brought from Tasmania. Pedigree - Thought to be French Crab x Already fruiting in 1868. Comments:: Size medium, 65:57 mm; shape intermediate, rectangular, to truncate-conic, convex, ribbed at eye; skin green to greenish yellow with some fine netted russet. Flesh: hard, crisp, greenish to yellowish-white. Flavor: subacid, moderately sweet. Superb eating and cooking qualities. Season late to very late. Tree: very vigorous, small, annual & bearing (sometimes biennial), strong grower, heavy producer. Keeps 180 days in cold storage. Requires 500-600 hours chilling. Add. LIT.CIT. 1992-93 H. Apple. Tsolum River Fruit Trees Catalogue. p. 19.

The following were developed by Raymond L. Granger, Agriculture Canada, Research Station, 430 Gouin Blvd. St.-Jean-sur-Richelieu, Saint-Jean, Quebec J3B 3E6, Canada; S.J. Leuty. Donated by Dan Thompson, Agriculture Canada, Center for Plant Health, 8801 East Saanich Road, Sidney, British Columbia V8L 1H3, Canada. Received 08/24/1984.

PI 588881. *Malus hybrid*

Ottawa 3. Pedigree - Robin crab x Malling 9. Intro: 1974 as hardy dwarfing rootstock. Not patented. Comments:: Standard fruit, green-yellow with red, 20% dwarfing rootstock. Will Bilozir notes. "The best dwarfing interstem"; quite hardy, resistant to phytophthora virus. Reaches 2.3 m tall. Winter kills to ground but recovers and okay when used as an interstem. Very efficient fruit production. Non-brittle, completely free of spines. Micropropagation efficient; very poor rooting in stoolbed. Susceptible to fire blight and woolly aphids. Sensitive to apple stem grooving virus. Highly useful parent for rootstock breeding. Transmits phytophthora resistance. 5 carpld fruit prod 25-35 seed.